

ABSTRACT OF THE DISCLOSURE

The present invention provides a dry air supply device for supplying, into a target space, dry air from which moisture and organic materials have been removed, the device comprising: a plurality of rotors disposed in series, each of which is configured to carry an adsorbent thereon and is rotatably supported; partition members which are arranged at outermost end portions of the rotors and between the rotors so as to partition a rotary zone of each rotor into an adsorption zone, a regeneration zone and a cooling zone; a driving member which rotatably drives the rotors; a supply passage which allows sucked air to pass through the adsorption zone to obtain dry air from which moisture and organic materials have been removed, and which supplies the dry air into the target space; and an exhaust passage which allows a portion of the dry air to pass through the cooling zone, then heats the cooled air, and then allows the heated air to pass through the regeneration zone to separate the moisture and the organic materials from the adsorbent thereby.